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**BIOGRAPHICAL SKETCH**

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NAME		POSITION TITLE	
Peter A. Pinto, M.D.		Head, Prostate Cancer Section Director, Fellowship Program Urologic Oncology Branch, CCR, NCI, NIH	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Fordham University (New York, NY)	B.S.	1987-1991	Chemistry
State University of New York Upstate Medical School – Syracuse, NY	M.D.	1991-1995	Medicine
Long Island Jewish Medical Center- Einstein College of Medicine -New Hyde Park, NY	Resident	1995-1997	General Surgery
Long Island Jewish Medical Center- Einstein College of Medicine -New Hyde Park, NY	Resident	1997-2001	Urologic Surgery
Johns Hopkins Medical Institutions Baltimore, Maryland	Fellow	2001-2003	Urologic Surgery

**A. Personal Statement**

I am a tenure track senior surgeon in the Urologic Oncology Branch within the intramural program of the National Cancer Institute, providing urologic surgery to all NIH Clinical Center patients and am responsible for all protocol-related and consult-related surgery. I direct the Urologic Oncology Branch prostate cancer program with efforts to recruit patients with localized prostate cancer to the NCI. My clinical research interests include vaccine strategies and molecularly-targeted therapeutic approaches to modulate cancer cell growth and survival, imaging and targeted registration of genitourinary tumors, and the minimally invasive treatment of urologic malignancies, including laser ablation, cryotherapy, radiofrequency ablation, high intensity focused ultrasound and laparoscopic/robotic surgery. In addition within the Urologic Oncology Branch Dr Pinto is the mentor to urologic oncology surgical fellows, rotating urology residents and medical students. Some of his former trainees have gone on to become division chiefs and department chairman within urology. Dr Pinto is the principal investigator on protocol: "MR Image-Guided Focal Therapy in Localized Prostate Cancer" and "Multiparametric MRI of The Prostate To Assess Prostate Cancer Progression in Patients Undergoing Active Surveillance". He is protocol chair of the protocol entitled: "A pilot study of 11C-Acetate Positron Emission Tomography (PET) and 3 Tesla Magnetic Resonance Imaging (MRI) in men with prostate cancer undergoing prostatectomy.". He is also protocol chair of the protocol entitled: "Phase I Feasibility Study of an Intraprostatic PSA-Based Vaccine in Prostate Cancer Patients with Local Failure Following Radiotherapy or Clinical Progression on Androgen Deprivation Therapy in the Absence of Local Definitive Therapy." He is protocol chair for: "Comprehensive Prostate MRI for the Evaluation of Prostate Cancer at 3.0Tesla: Investigating the future role for diagnosis and therapy." He is also protocol chair for: "GE-148-002: A Phase 2, Open-label, Single-Center Study to Assess GE-148 (18F) Injection PET Imaging to Detect Localized Prostate Cancer." He is also protocol chair for: "Evaluation of Ferumoxytol enhanced MRI for the detection of lymph node involvement in prostate cancer." He is also protocol chair for: "Electromagnetic tracking of devices during interventional procedures: A Pilot Study."

**B. Positions and Honors.**

2002-2003: Clinical Instructor- Johns Hopkins Medical Institutions, Brady Urological Institute (Baltimore, MD)

2003-present: Senior Surgeon, Fellowship Director-Urologic Oncology Branch, NCI/CCR, NIH/DHHS (Bethesda, MD)

2012-present: Head, Prostate Cancer Section, Urologic Oncology Branch, NCI/CCR, NIH/DHHS (Bethesda, MD)

NIH Director's "Alan S. Rabson" Award- 2013

NIH Director's Research Award- 2012

NCI Director's Research Award- 2011

Johns Hopkins Medical Institutions-Brady Urological Institute Teaching Award - 2003

Nagamatsu Fellow Award - 2003

Pfizer Scholars in Urology Award - 2001

LIJMC 34<sup>th</sup> Annual Academic Competition: 2<sup>nd</sup> Prize- 1999

Upjohn Research Achievement Award-1995

*Phi Beta Kappa*

*Sigma Xi* Research Society

Fordham College Honor's Program

**c. Selected peer-reviewed publications (in chronological order).**

Grubb RL, Franks ME, Toro J, Middleton L, Terry L, Fowler S, Torres-Cabala C, Glenn GM, Choyke P, Merino MJ, Zbar B, **Pinto PA**, Srinivasan R, Coleman JA, Linehan WM. Hereditary Leiomyomatosis and Renal Cell Carcinoma (HLRCC): A syndrome associated with an aggressive form of inherited renal cancer. *J Urol*. 2007 Jun;177(6):2074-9.

Stone MJ, Venkatesan AM, Locklin J, **Pinto P**, Linehan M, Wood BJ. Radiofrequency ablation of renal tumors. *Tech Vasc Interv Radiol*. 2007 Jun;10(2):132-9.

Ocak I, Bernardo M, Metzger G, Barrett T, **Pinto P**, Albert PS, Choyke PL. Dynamic contrast-enhanced MRI of prostate cancer at 3 T: a study of pharmacokinetic parameters. *AJR Am J Roentgenol*. 2007 Oct;189(4):849.

Rogers CG, Singh A, Blatt AM, Linehan WM, **Pinto PA**. Robotic Partial Nephrectomy for Complex Renal Tumors: Surgical Technique. *Eur Urol*. 2007 Oct 15; [Epub ahead of print].

Merino MJ, Torres-Cabala C, **Pinto PA**, Linehan WM. The Morphologic Spectrum of Kidney Tumors in Hereditary Leiomyomatosis and Renal Cell Carcinoma (HLRCC) Syndrome. *Am J Surg Pathol* 2007 Oct;31(10):1578-85.

Bratslavsky G, Liu JJ, Johnson AD, Sudarshan S, Choyke PL, Linehan WM, **Pinto PA**. Salvage Partial Nephrectomy in Hereditary Renal Cancer: Feasibility and Outcomes. *J Urol*. 2008 Jan;179(1):67-70.

Toro JR, Wei MH, Glenn G, Weinreich M, Toure O, Vocke C, Turner ML, Merino M, **Pinto P**, Steinberg S, Schmidt L, Linehan WM. BHD mutations, clinical and molecular genetic investigations of Birt-Hogg-Dube Syndrome: A new series of 50 families and a review of published reports. *J Med Genet*. 2008 Jan 30; [Epub ahead of print]

Liu JJ, Alemozaffar M, McHone B, Dhanani N, Gage F, **Pinto PA**, Gorbach AM, Elster E. Evaluation of real-time infrared intraoperative cholangiography in a porcine model. *Surg Endosc*. 2008 Mar 18. [Epub ahead of print]

Crane NJ, **Pinto PA**, Hale D, Gage FA, Tadaki D, Kirk AD, Levin IW, Elster EA. Non-invasive Monitoring of Tissue Oxygenation During Laparoscopic Donor Nephrectomy. BMC Surg. 2008 Apr 17;8(1):8. [Epub ahead of print]

Gorbach A, Wang H, Dhanani N, Gage F, **Pinto PA**, Smith P, Kirk A, Elster E. Assessment of Critical Renal Ischemia with Real Time Infrared Imaging. J Surg Res. 2008 Mar 13. [Epub ahead of print].

Crane NJ, McHone B, Hawksworth J, Pearl JP, Denobile J, Tadaki D, **Pinto PA**, Levin IW, Elster EA. Enhanced surgical imaging: laparoscopic vessel identification and assessment of tissue oxygenation. J Am Coll Surg. 2008 Jun;206(3):1159-66.

Hanna BV, Gorbach AM, Gage FA, **Pinto PA**, Silva JS, Gilfillan LG, Kirk AD, Elster EA. Intraoperative assessment of critical biliary structures with visible range/infrared image fusion. J Am Coll Surg. 2008 Jun;206(3):1227-31.

Rogers CG, Blatt AM, Miles GE, Linehan WM, **Pinto PA**. Concurrent robotic partial adrenalectomy and extra-adrenal pheochromocytoma resection in a pediatric patient with von Hippel-Lindau disease. J Endourol. 2008 Jul;22(7):1501-3

Rogers CG, Linehan WM, **Pinto PA**. Robotic nephrectomy for kidney cancer in a horseshoe kidney with renal vein tumor thrombus: novel technique for thrombectomy. J Endourol. 2008 Aug;22(8):1561-3

Xu S, Kruecker J, Turkbey B, Glossop N, Singh AK, Choyke P, **Pinto P**, Wood BJ. Real-time MRI-TRUS fusion for guidance of targeted prostate biopsies. Comput Aided Surg. 2008 Sep;13(5):255-64.

Rogers CG, Metwalli A, Blatt AM, Bratslavsky G, Menon M, Linehan WM, **Pinto PA**. Robotic partial nephrectomy for renal hilar tumors: a multi-institutional analysis. J Urol. 2008 Dec;180(6):2353-6.

Xu S, Kruecker J, Turkbey B, Glossop N, Singh AK, Choyke P, **Pinto P**, Wood BJ: Real-time MRI-TRUS fusion for guidance of targeted prostate biopsies. Comput Aided Surg 2008;13:255-264

Turkbey B, Shah VP, Pang Y, Bernardo M, Xu S, Kruecker J, Locklin J, Baccala AA Jr, Rastinehad AR, Merino MJ, Shih JH, Wood BJ, **Pinto PA**, Choyke PL: Is apparent diffusion coefficient associated with clinical risk scores for prostate cancers that are visible on 3-T MR images? Radiology. 2011 Feb;258(2):488-95. Epub 2010 Dec 21

Rastinehad AR, Baccala AA Jr, Chung PH, Proano JM, Kruecker J, Xu S, Locklin JK, Turkbey B, Shih J, Bratslavsky G, Linehan WM, Glossop ND, Yan P, Kadoury S, Choyke PL, Wood BJ, **Pinto PA**: D'Amico risk stratification correlates with degree of suspicion of prostate cancer on multiparametric magnetic resonance imaging. J Urol. 2011 Mar;185(3):815-20.

Turkbey B, Xu S, Kruecker J, Locklin J, Pang Y, Bernardo M, Merino MJ, Wood BJ, Choyke PL, **Pinto PA**: Documenting the location of prostate biopsies with image fusion. BJU Int. 2011 Jan;107(1):53-7.

**Pinto PA**, Chung PH, Rastinehad AR, Baccala AA Jr, Kruecker J, Benjamin CJ, Xu S, Yan P, Kadoury S, Chua C, Locklin JK, Turkbey B, Shih JH, Gates SP, Buckner C, Bratslavsky G, Linehan WM, Glossop ND, Choyke PL, Wood BJ: Magnetic resonance imaging/ultrasound fusion guided prostate biopsy improves cancer detection following transrectal ultrasound biopsy and correlates with multiparametric magnetic resonance imaging. J Urol. 2011 Oct;186(4):1281-5

Vourganti S, Rastinehad A, Yerram NK, Nix J, Volkin D, Hoang A, Turkbey B, Gupta GN, Kruecker J, Linehan WM, Choyke PL, Wood BJ, **Pinto PA**: Multiparametric magnetic resonance imaging and ultrasound fusion biopsy detect prostate cancer in patients with prior negative transrectal ultrasound biopsies. J Urol. 2012 Dec;188(6):2152-7

Yerram NK, Volkin D, Turkbey B, Nix J, Hoang AN, Vourganti S, Gupta GN, Linehan WM, Choyke PL, Wood BJ, **Pinto PA**: Low suspicion lesions on multiparametric magnetic resonance imaging predict for the absence of high-risk prostate cancer. BJU Int. 2012 Nov 6. [Epub ahead of print].

Turbey B, Mani H, Aras O, Rastinehad AR, Shah V, Bernardo M, Pohida T, Daar D, Benjamin C, McKinney YL, Linehan WM, Wood BJ, Merino MJ, Choyke PL, **Pinto PA**: Correlation of magnetic resonance imaging tumor volume with histopathology. J Urol. 2012 Oct;188(4):1157-1163

Trivedi H, Turkbey B, Rastinehad AR, Benjamin CJ, Bernardo M, Pohida T, Shah V, Merino MJ, Wood BJ, Linehan WM, Venkatesan AM, Choyke PL, **Pinto PA**: Use of Patient-specific MRI-based Prostate Mold for Validation of Multiparametric MRI in Localization of Prostate Cancer. Urology. 2012 Jan;79(1):233-9

Turbey B, Mani H, Aras O, Ho J, Hoang A, Rastinehad AR, Agarwal H, Shah V, Bernardo M, Pang Y, Daar D, McKinney YL, Linehan WM, Kaushal A, Merino MJ, Wood BJ, **Pinto PA**, Choyke PL: Prostate Cancer: Can Multiparametric MR Imaging Help Identify Patients Who Are Candidates for Active Surveillance? Radiology. 2013 Mar 6. [Epub ahead of print]

Partanen A, Yerram N, Venkatesan A, Turkbey B, Choyke P, Wood BJ, **Pinto PA**: Magnetic Resonance Imaging-guided Trans-urethral Ultrasound Therapy of the Prostate: A Preclinical Study with Radiologic and Pathologic Correlation Using Customized Magnetic Resonance Imaging Based Molds. British J Urol Int 2013 Jun 7 [Epub ahead of print]

Siddiqui MM, Rais-Bahrami S, Truong H, Stamatakis L, Vourganti S, Nix J, Hoang An, Walton-Diaz A, Shuch B, Weintraub M, Kruecker J, Amaolou H, Turkbey B, Merino MJ, Choyke PI, Wood BJ, Pinto PA. Magnetic Resonance Imaging/Ultrasound-Fusion Biopsy Significantly Ugrades Prostate Cancer Versus Systematic 12-core Transrectal Ultrasound Biopsy. Eur Urol. 2013 Jun 12. Doi:pii: S0302-2838(13)00598-8. 10.1016/j.eururo.2013.05.059. [Epub ahead of print] PMID:23787357

#### **D. Research Support.**

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